

PF-0683 PCT

SEQUENCE LISTING

<110> INCYTE PHARMACEUTICALS, INC.

BANDMAN, Olga

TANG, Y. Tom

YUE, Henry

HILLMAN, Jennifer L.

BAUGHN, Mariah R.

AZIMZAI, Yalda

LU, Dyung Aina M.

AU-YOUNG, Janice

<120> REGULATORS OF INTRACELLULAR PHOSPHORYLATION

<130> PF-0683 PCT

<140> To Be Assigned

<141> Herewith

<150> 60/125,593; 60/135,049; 60/143,188

<151> 1999-03-18; 1999-05-20; 1999-07-09

<160> 28

<170> PERL Program

<210> 1

<211> 482

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 480457CD1

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Arg	Pro	Val	Arg	Pro	Gln	Asp	Leu	Asn	Leu	Cys	Leu	Asp	Ser	Ser
				20					25					30
Tyr	Leu	Gly	Ser	Ala	Asn	Pro	Gly	Ser	Asn	Ser	His	Pro	Pro	Val
				35					40					45
Ile	Ala	Thr	Thr	Val	Val	Ser	Leu	Lys	Ala	Ala	Asn	Leu	Thr	Tyr
				50					55					60
Met	Pro	Ser	Ser	Ser	Gly	Ser	Ala	Arg	Ser	Leu	Asn	Cys	Gly	Cys
				65					70					75
Ser	Ser	Ala	Ser	Cys	Cys	Thr	Val	Ala	Thr	Tyr	Asp	Lys	Asp	Asn
				80					85					90
Gln	Ala	Gln	Thr	Gln	Ala	Ile	Ala	Ala	Gly	Thr	Thr	Thr	Thr	Ala
				95					100					105
Ile	Gly	Thr	Ser	Thr	Thr	Cys	Pro	Ala	Asn	Gln	Met	Val	Asn	Asn
				110					115					120
Asn	Glu	Asn	Thr	Gly	Ser	Leu	Ser	Pro	Ser	Ser	Gly	Val	Gly	Ser
				125					130					135
Pro	Val	Ser	Gly	Thr	Pro	Lys	Gln	Leu	Ala	Ser	Ile	Lys	Ile	Ile
				140					145					150
Tyr	Pro	Asn	Asp	Leu	Ala	Lys	Lys	Met	Thr	Lys	Cys	Ser	Lys	Ser
				155					160					165
His	Leu	Pro	Ser	Gln	Gly	Pro	Val	Ile	Ile	Asp	Cys	Arg	Pro	Phe
				170					175					180

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Met	Glu	Tyr	Asn	Lys	Ser	His	Ile	Gln	Gly	Ala	Val	His	Ile	Asn	
				185					190					195	
Cys	Ala	Asp	Lys	Ile	Ser	Arg	Arg	Arg	Leu	Gln	Gln	Gly	Lys	Ile	
				200					205					210	
Thr	Val	Leu	Asp	Leu	Ile	Ser	Cys	Arg	Glu	Gly	Lys	Asp	Ser	Phe	
				215					220					225	
Lys	Arg	Ile	Phe	Ser	Lys	Glu	Ile	Ile	Val	Tyr	Asp	Glu	Asn	Thr	
				230					235					240	
Asn	Glu	Pro	Ser	Arg	Val	Met	Pro	Ser	Gln	Pro	Leu	His	Ile	Val	
				245					250					255	
Leu	Glu	Ser	Leu	Lys	Arg	Glu	Gly	Lys	Glu	Pro	Leu	Val	Leu	Lys	
				260					265					270	
Gly	Gly	Leu	Ser	Ser	Phe	Lys	Gln	Asn	His	Glu	Asn	Leu	Cys	Asp	
				275					280					285	
Asn	Ser	Leu	Gln	Leu	Gln	Glu	Cys	Arg	Glu	Val	Gly	Gly	Gly	Ala	
				290					295					300	
Ser	Ala	Ala	Ser	Ser	Leu	Leu	Pro	Gln	Pro	Ile	Pro	Thr	Thr	Pro	
				305					310					315	
Asp	Ile	Glu	Asn	Ala	Glu	Leu	Thr	Pro	Ile	Leu	Pro	Phe	Leu	Phe	
				320					325					330	
Leu	Gly	Asn	Glu	Gln	Asp	Ala	Gln	Asp	Leu	Asp	Thr	Met	Gln	Arg	
				335					340					345	
Leu	Asn	Ile	Gly	Tyr	Val	Ile	Asn	Val	Thr	Thr	His	Leu	Pro	Leu	
				350					355					360	
Tyr	His	Tyr	Glu	Lys	Gly	Leu	Phe	Asn	Tyr	Lys	Arg	Leu	Pro	Ala	
				365					370					375	
Thr	Asp	Ser	Asn	Lys	Gln	Asn	Leu	Arg	Gln	Tyr	Phe	Glu	Glu	Ala	
				380					385					390	
Phe	Glu	Phe	Ile	Glu	Glu	Ala	His	Gln	Cys	Gly	Lys	Gly	Leu	Leu	
				395					400					405	
Ile	His	Cys	Gln	Ala	Gly	Val	Ser	Arg	Ser	Ala	Thr	Ile	Val	Ile	
				410					415					420	
Ala	Tyr	Leu	Met	Lys	His	Thr	Arg	Met	Thr	Met	Thr	Asp	Ala	Tyr	
				425					430					435	
Lys	Phe	Val	Lys	Gly	Lys	Arg	Pro	Ile	Ile	Ser	Pro	Asn	Leu	Asn	
				440					445					450	
Phe	Met	Gly	Gln	Leu	Leu	Glu	Phe	Glu	Glu	Asp	Leu	Asn	Asn	Gly	
				455					460					465	
Val	Thr	Pro	Arg	Ile	Leu	Thr	Pro	Lys	Leu	Met	Gly	Val	Glu	Thr	
				470					475					480	
Val	Val														

<210> 2

<211> 190

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 563663CD1

<400> 2

Met	Ser	Arg	Arg	Arg	Phe	Asp	Cys	Arg	Ser	Ile	Ser	Gly	Leu	Leu	
1				5					10					15	
Thr	Thr	Thr	Pro	Gln	Ile	Pro	Ile	Lys	Met	Glu	Asn	Phe	Asn	Asn	
				20					25					30	
Phe	Tyr	Ile	Leu	Thr	Ser	Lys	Glu	Leu	Gly	Arg	Gly	Lys	Phe	Ala	
				35					40					45	
Val	Val	Arg	Gln	Cys	Ile	Ser	Lys	Ser	Thr	Gly	Gln	Glu	Tyr	Ala	
				50					55					60	

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Ala	Lys	Phe	Leu	Lys	Lys	Arg	Arg	Arg	Gly	Gln	Asp	Cys	Arg	Ala	
				65					70					75	
Glu	Ile	Leu	His	Glu	Ile	Ala	Val	Leu	Glu	Leu	Ala	Lys	Ser	Cys	
				80					85					90	
Pro	Arg	Val	Ile	Asn	Leu	His	Glu	Val	Tyr	Glu	Asn	Thr	Ser	Glu	
				95					100					105	
Ile	Ile	Leu	Ile	Leu	Glu	Tyr	Ala	Ala	Gly	Gly	Glu	Ile	Phe	Ser	
				110					115					120	
Leu	Cys	Leu	Pro	Glu	Leu	Ala	Glu	Met	Val	Ser	Glu	Asn	Asp	Val	
				125					130					135	
Ile	Arg	Leu	Ile	Lys	Gln	Ile	Leu	Glu	Gly	Val	Tyr	Tyr	Leu	His	
				140					145					150	
Gln	Asn	Asn	Ile	Val	His	Leu	Asp	Leu	Lys	Pro	Gln	Asn	Ile	Leu	
				155					160					165	
Leu	Ser	Ser	Ile	Tyr	Pro	Leu	Gly	Asp	Ile	Lys	Ile	Val	Asp	Gly	
				170					175					180	
Gly	Met	Ser	Arg	Lys	Ile	Gly	Gln	Cys	Val						
				185					190						

<210> 3
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<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1425842CD1

<400> 3

Met	Ser	Ser	Leu	Gly	Ala	Ser	Phe	Val	Gln	Ile	Lys	Phe	Asp	Asp	
1				5					10					15	
Leu	Gln	Phe	Phe	Glu	Asn	Cys	Gly	Gly	Gly	Ser	Phe	Gly	Ser	Val	
				20					25					30	
Tyr	Arg	Ala	Lys	Trp	Ile	Ser	Gln	Asp	Lys	Glu	Val	Ala	Val	Lys	
				35					40					45	
Lys	Leu	Leu	Lys	Ile	Glu	Lys	Glu	Ala	Glu	Ile	Leu	Ser	Val	Leu	
				50					55					60	
Ser	His	Arg	Asn	Ile	Ile	Gln	Phe	Tyr	Gly	Val	Ile	Leu	Glu	Pro	
				65					70					75	
Pro	Asn	Tyr	Gly	Ile	Val	Thr	Glu	Tyr	Ala	Ser	Leu	Gly	Ser	Leu	
				80					85					90	
Tyr	Asp	Tyr	Ile	Asn	Ser	Asn	Arg	Ser	Glu	Glu	Met	Asp	Met	Asp	
				95					100					105	
His	Ile	Met	Thr	Trp	Ala	Thr	Asp	Val	Ala	Lys	Gly	Met	His	Tyr	
				110					115					120	
Leu	His	Met	Glu	Ala	Pro	Val	Lys	Val	Ile	His	Arg	Asp	Leu	Lys	
				125					130					135	
Ser	Arg	Asn	Val	Val	Ile	Ala	Ala	Asp	Gly	Val	Leu	Lys	Ile	Cys	
				140					145					150	
Asp	Phe	Gly	Ala	Ser	Arg	Phe	His	Asn	His	Thr	Thr	His	Met	Ser	
				155					160					165	
Leu	Val	Gly	Thr	Phe	Pro	Trp	Met	Ala	Pro	Glu	Val	Ile	Gln	Ser	
				170					175					180	
Leu	Pro	Val	Ser	Glu	Thr	Cys	Asp	Thr	Tyr	Ser	Tyr	Gly	Val	Val	
				185					190					195	
Leu	Trp	Glu	Met	Leu	Thr	Arg	Glu	Val	Pro	Phe	Lys	Gly	Leu	Glu	
				200					205					210	
Gly	Leu	Gln	Val	Ala	Trp	Leu	Val	Val	Glu	Lys	Asn	Glu	Arg	Leu	
				215					220					225	
Thr	Ile	Pro	Ser	Ser	Cys	Pro	Arg	Ser	Phe	Ala	Glu	Leu	Leu	His	

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Gln Cys Trp Glu	230	235	240
Ala Asp Ala Lys Lys	245	250	255
Ile Ile Ser Ile	260	265	270
Asp Lys Cys Asn	275	280	285
Glu Ile Glu Ala	290	295	300
Leu Ser Phe Lys	305	310	315
Lys Met Trp Glu	320	325	330
Leu Leu Pro Leu	335	340	345
Ser Lys Thr Glu	350	355	360
Thr Ala Thr Ser	365	370	375
Gln Ala Met Met	380	385	390
Lys Ala Gly Ala	395	400	405
Ala Lys Gln Asn	410	415	420
Lys Val Asn Met	425	430	435
Gly Asp Asp Asp	440	445	450
Met Asp Asn Ser	455		

<210> 4

<211> 485

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2349047CD1

<400> 4

Met Ala Lys Gly Gly	Ile Phe Pro Arg	Pro Arg Cys Asp	Ser Ser
1 5	10	15	
Ser Leu Leu Glu Cys	Arg Lys Ala Ile	Ser Arg Glu Val	Lys Ala
20	25	30	
Met Ala Ser Leu Asp	Asn Glu Phe Val	Leu Arg Leu Glu	Gly Val
35	40	45	
Ile Glu Lys Val Asn	Trp Asp Gln Asp	Pro Lys Pro Ala	Leu Val
50	55	60	
Thr Lys Phe Met Glu	Asn Gly Ser Leu	Ser Gly Leu Leu	Gln Ser
65	70	75	
Gln Cys Pro Arg Pro	Trp Pro Leu Leu	Cys Arg Leu Leu	Lys Glu
80	85	90	
Val Val Leu Gly Met	Phe Tyr Leu His	Asp Gln Asn Pro	Val Leu
95	100	105	
Leu His Arg Asp Leu	Lys Pro Ser Asn	Val Leu Leu Asp	Pro Glu
110	115	120	
Leu His Val Lys Leu	Ala Asp Phe Gly	Leu Ser Thr Phe	Gln Gly
125	130	135	

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Gly	Ser	Gln	Ser	Gly	Thr	Gly	Ser	Gly	Glu	Pro	Gly	Gly	Thr	Leu
				140					145					150
Gly	Tyr	Leu	Ala	Pro	Glu	Leu	Phe	Val	Asn	Val	Asn	Arg	Lys	Ala
				155					160					165
Ser	Thr	Ala	Ser	Asp	Val	Tyr	Ser	Phe	Gly	Ile	Leu	Met	Trp	Ala
				170					175					180
Val	Leu	Ala	Gly	Arg	Glu	Val	Glu	Leu	Pro	Thr	Glu	Pro	Ser	Leu
				185					190					195
Val	Tyr	Glu	Ala	Val	Cys	Asn	Arg	Gln	Asn	Arg	Pro	Ser	Leu	Ala
				200					205					210
Glu	Leu	Pro	Gln	Ala	Gly	Pro	Glu	Thr	Pro	Gly	Leu	Glu	Gly	Leu
				215					220					225
Lys	Glu	Leu	Met	Gln	Leu	Cys	Trp	Ser	Ser	Glu	Pro	Lys	Asp	Arg
				230					235					240
Pro	Ser	Phe	Gln	Glu	Cys	Leu	Pro	Lys	Thr	Asp	Glu	Val	Phe	Gln
				245					250					255
Met	Val	Glu	Asn	Asn	Met	Asn	Ala	Ala	Val	Ser	Thr	Val	Lys	Asp
				260					265					270
Phe	Leu	Ser	Gln	Leu	Arg	Ser	Ser	Asn	Arg	Arg	Phe	Ser	Ile	Pro
				275					280					285
Glu	Ser	Gly	Gln	Gly	Gly	Thr	Glu	Met	Asp	Gly	Phe	Arg	Arg	Thr
				290					295					300
Ile	Glu	Asn	Gln	His	Ser	Arg	Asn	Asp	Val	Met	Val	Ser	Glu	Trp
				305					310					315
Leu	Asn	Lys	Leu	Asn	Leu	Glu	Glu	Pro	Pro	Ser	Ser	Val	Pro	Lys
				320					325					330
Lys	Cys	Pro	Ser	Leu	Thr	Lys	Arg	Ser	Arg	Ala	Gln	Glu	Glu	Gln
				335					340					345
Val	Pro	Gln	Ala	Trp	Thr	Ala	Gly	Thr	Ser	Ser	Asp	Ser	Met	Ala
				350					355					360
Gln	Pro	Pro	Gln	Thr	Pro	Glu	Thr	Ser	Thr	Phe	Arg	Asn	Gln	Met
				365					370					375
Pro	Ser	Pro	Thr	Ser	Thr	Gly	Thr	Pro	Ser	Pro	Gly	Pro	Arg	Gly
				380					385					390
Asn	Gln	Gly	Ala	Glu	Arg	Gln	Gly	Met	Asn	Trp	Ser	Cys	Arg	Thr
				395					400					405
Pro	Glu	Pro	Asn	Pro	Val	Thr	Gly	Arg	Pro	Leu	Val	Asn	Ile	Tyr
				410					415					420
Asn	Cys	Ser	Gly	Val	Gln	Val	Gly	Asp	Asn	Asn	Tyr	Leu	Thr	Met
				425					430					435
Gln	Gln	Thr	Thr	Ala	Leu	Pro	Thr	Trp	Gly	Leu	Ala	Pro	Ser	Gly
				440					445					450
Lys	Gly	Arg	Gly	Leu	Gln	His	Pro	Pro	Pro	Val	Gly	Ser	Gln	Glu
				455					460					465
Gly	Pro	Lys	Asp	Pro	Glu	Ala	Trp	Ser	Arg	Pro	Gln	Gly	Trp	Tyr
				470					475					480
Asn	His	Ser	Gly	Lys										
				485										

<210> 5
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<220>
<221> misc_feature
<223> Incyte ID No: 2415617CD1

<400> 5
Met Asp Pro Ala Gly Gly Pro Arg Gly Val Leu Pro Arg Pro Cys

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1	5	10	15
Arg Val Leu Val Leu	Leu Asn Pro Arg Gly	Gly Lys Gly Lys Ala	
	20	25	30
Leu Gln Leu Phe Arg	Ser His Val Gln Pro	Leu Leu Ala Glu Ala	
	35	40	45
Glu Ile Ser Phe Thr	Leu Met Leu Thr Glu	Arg Arg Asn His Ala	
	50	55	60
Arg Glu Leu Val Arg	Ser Glu Glu Leu Gly	Arg Trp Asp Ala Leu	
	65	70	75
Val Val Met Ser Gly	Asp Gly Leu Met His	Glu Val Val Asn Gly	
	80	85	90
Leu Met Glu Arg Pro	Asp Trp Glu Thr Ala	Ile Gln Lys Pro Leu	
	95	100	105
Cys Ser Leu Pro Ala	Gly Ser Gly Asn Ala	Leu Ala Ala Ser Leu	
	110	115	120
Asn His Tyr Ala Gly	Tyr Glu Gln Val Thr	Asn Glu Asp Leu Leu	
	125	130	135
Thr Asn Cys Thr Leu	Leu Leu Cys Arg Arg	Leu Leu Ser Pro Met	
	140	145	150
Asn Leu Leu Ser Leu	His Thr Ala Ser Gly	Leu Arg Leu Phe Ser	
	155	160	165
Val Leu Ser Leu Ala	Trp Gly Phe Ile Ala	Asp Val Asp Leu Glu	
	170	175	180
Ser Glu Lys Tyr Arg	Arg Leu Gly Glu Met	Arg Phe Thr Leu Gly	
	185	190	195
Thr Phe Leu Arg Leu	Ala Ala Leu Arg Thr	Tyr Arg Gly Arg Leu	
	200	205	210
Ala Tyr Leu Pro Val	Gly Arg Val Gly Ser	Lys Thr Pro Ala Ser	
	215	220	225
Pro Val Val Val Gln	Gln Gly Pro Val Asp	Ala His Leu Val Pro	
	230	235	240
Leu Glu Glu Pro Val	Pro Ser His Trp Thr	Val Val Pro Asp Glu	
	245	250	255
Asp Phe Val Leu Val	Leu Ala Leu Leu His	Ser His Leu Gly Ser	
	260	265	270
Glu Met Phe Ala Ala	Pro Met Gly Arg Cys	Ala Ala Gly Val Met	
	275	280	285
His Leu Phe Tyr Val	Arg Ala Gly Val Ser	Arg Ala Met Leu Leu	
	290	295	300
Arg Leu Phe Leu Ala	Met Glu Lys Gly Arg	His Met Glu Tyr Glu	
	305	310	315
Cys Pro Tyr Leu Val	Tyr Val Pro Val Val	Ala Phe Arg Leu Glu	
	320	325	330
Pro Lys Asp Gly Lys	Gly Val Phe Ala Val	Asp Gly Glu Leu Met	
	335	340	345
Val Ser Glu Ala Val	Gln Gly Gln Val His	Pro Asn Tyr Phe Trp	
	350	355	360
Met Val Ser Gly Cys	Val Glu Pro Pro Pro	Ser Trp Lys Pro Gln	
	365	370	375
Gln Met Pro Pro Glu	Glu Glu Pro Leu		
	380		

<210> 6
 <211> 81
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 <213> Homo sapiens

<220>
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 <223> Incyte ID No: 3815186CD1

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<400> 6

Met	Arg	Trp	Tyr	Gln	Pro	Pro	Asn	Asp	Trp	Arg	Ile	Leu	Val	Leu
1				5					10					15
Cys	Leu	Ser	Ser	Tyr	Ala	Val	Leu	Met	Cys	Leu	Leu	Ser	Ile	Trp
				20					25					30
Gln	Arg	Asp	Lys	Arg	Asp	Thr	Ser	Asn	Phe	Asp	Lys	Glu	Phe	Thr
				35					40					45
Arg	Gln	Pro	Val	Glu	Leu	Thr	Pro	Thr	Asp	Lys	Leu	Phe	Ile	Met
				50					55					60
Asn	Leu	Asp	Gln	Asn	Glu	Phe	Ala	Gly	Phe	Ser	Tyr	Thr	Asn	Pro
				65					70					75
Glu	Phe	Val	Ile	Asn	Val									
				80										

<210> 7

<211> 721

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 5504544CD1

<400> 7

Met	Leu	Phe	Gly	Leu	Val	Arg	Gln	Gly	Leu	Lys	Cys	Asp	Gly	Cys
1				5					10					15
Gly	Leu	Asn	Tyr	His	Lys	Arg	Cys	Ala	Phe	Ser	Ile	Pro	Asn	Asn
				20					25					30
Cys	Ser	Gly	Ala	Arg	Lys	Arg	Arg	Leu	Ser	Ser	Thr	Ser	Leu	Ala
				35					40					45
Ser	Gly	His	Ser	Val	Arg	Leu	Gly	Thr	Ser	Glu	Ser	Leu	Pro	Cys
				50					55					60
Thr	Ala	Glu	Glu	Leu	Ser	Arg	Ser	Thr	Thr	Glu	Leu	Leu	Pro	Arg
				65					70					75
Arg	Pro	Pro	Ser	Ser	Ser	Ser	Ser	Ser	Ser	Ala	Ser	Ser	Tyr	Thr
				80					85					90
Gly	Arg	Pro	Ile	Glu	Leu	Asp	Lys	Met	Leu	Leu	Ser	Lys	Val	Lys
				95					100					105
Val	Pro	His	Thr	Phe	Leu	Ile	His	Ser	Tyr	Thr	Arg	Pro	Thr	Val
				110					115					120
Cys	Gln	Ala	Cys	Lys	Lys	Leu	Leu	Lys	Gly	Leu	Phe	Arg	Gln	Gly
				125					130					135
Leu	Gln	Cys	Lys	Asp	Cys	Lys	Phe	Asn	Cys	His	Lys	Arg	Cys	Ala
				140					145					150
Thr	Arg	Val	Pro	Asn	Asp	Cys	Leu	Gly	Glu	Ala	Leu	Ile	Asn	Gly
				155					160					165
Asp	Val	Pro	Met	Glu	Glu	Ala	Thr	Asp	Phe	Ser	Glu	Ala	Asp	Lys
				170					175					180
Ser	Ala	Leu	Met	Asp	Glu	Ser	Glu	Asp	Ser	Gly	Val	Ile	Pro	Gly
				185					190					195
Ser	His	Ser	Glu	Asn	Ala	Leu	His	Ala	Ser	Glu	Glu	Glu	Glu	Gly
				200					205					210
Glu	Gly	Gly	Lys	Ala	Gln	Ser	Ser	Leu	Gly	Tyr	Ile	Pro	Leu	Met
				215					220					225
Arg	Val	Val	Gln	Ser	Val	Arg	His	Thr	Thr	Arg	Lys	Ser	Ser	Thr
				230					235					240
Thr	Leu	Arg	Glu	Gly	Trp	Val	Val	His	Tyr	Ser	Asn	Lys	Asp	Thr
				245					250					255
Leu	Arg	Lys	Arg	His	Tyr	Trp	Arg	Leu	Asp	Cys	Lys	Cys	Ile	Thr
				260					265					270

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Leu	Phe	Gln	Asn	Asn	Thr	Thr	Asn	Arg	Tyr	Tyr	Lys	Glu	Ile	Pro
				275					280					285
Leu	Ser	Glu	Ile	Leu	Thr	Val	Glu	Ser	Ala	Gln	Asn	Phe	Ser	Leu
				290					295					300
Val	Pro	Pro	Gly	Thr	Asn	Pro	His	Cys	Phe	Glu	Ile	Val	Thr	Ala
				305					310					315
Asn	Ala	Thr	Tyr	Phe	Val	Gly	Glu	Met	Pro	Gly	Gly	Thr	Pro	Gly
				320					325					330
Gly	Pro	Ser	Gly	Gln	Gly	Ala	Glu	Ala	Ala	Arg	Gly	Trp	Glu	Thr
				335					340					345
Ala	Ile	Arg	Gln	Ala	Leu	Met	Pro	Val	Ile	Leu	Gln	Asp	Ala	Pro
				350					355					360
Ser	Ala	Pro	Gly	His	Ala	Pro	His	Arg	Gln	Ala	Ser	Leu	Ser	Ile
				365					370					375
Ser	Val	Ser	Asn	Ser	Gln	Ile	Gln	Glu	Asn	Val	Asp	Ile	Ala	Thr
				380					385					390
Val	Tyr	Gln	Ile	Phe	Pro	Asp	Glu	Val	Leu	Gly	Ser	Gly	Gln	Phe
				395					400					405
Gly	Val	Val	Tyr	Gly	Gly	Lys	His	Arg	Lys	Thr	Gly	Arg	Asp	Val
				410					415					420
Ala	Val	Lys	Val	Ile	Asp	Lys	Leu	Arg	Phe	Pro	Thr	Lys	Gln	Glu
				425					430					435
Ser	Gln	Leu	Arg	Asn	Glu	Val	Ala	Ile	Leu	Gln	Ser	Leu	Arg	His
				440					445					450
Pro	Gly	Ile	Val	Asn	Leu	Glu	Cys	Met	Phe	Glu	Thr	Pro	Glu	Lys
				455					460					465
Val	Phe	Val	Val	Met	Glu	Lys	Leu	His	Gly	Asp	Met	Leu	Glu	Met
				470					475					480
Ile	Leu	Ser	Ser	Glu	Lys	Gly	Arg	Leu	Pro	Glu	Arg	Leu	Thr	Lys
				485					490					495
Phe	Leu	Ile	Thr	Gln	Ile	Leu	Val	Ala	Leu	Arg	His	Leu	His	Phe
				500					505					510
Lys	Asn	Ile	Val	His	Cys	Asp	Leu	Lys	Pro	Glu	Asn	Val	Leu	Leu
				515					520					525
Ala	Ser	Ala	Asp	Pro	Phe	Pro	Gln	Val	Lys	Leu	Cys	Asp	Phe	Gly
				530					535					540
Phe	Ala	Arg	Ile	Ile	Gly	Glu	Lys	Ser	Phe	Arg	Arg	Ser	Val	Val
				545					550					555
Gly	Thr	Pro	Ala	Tyr	Leu	Ala	Pro	Glu	Val	Leu	Leu	Asn	Gln	Gly
				560					565					570
Tyr	Asn	Arg	Ser	Leu	Asp	Met	Trp	Ser	Val	Gly	Val	Ile	Met	Tyr
				575					580					585
Val	Ser	Leu	Ser	Gly	Thr	Phe	Pro	Phe	Asn	Glu	Asp	Glu	Asp	Ile
				590					595					600
Asn	Asp	Gln	Ile	Gln	Asn	Ala	Ala	Phe	Met	Tyr	Pro	Ala	Ser	Pro
				605					610					615
Trp	Ser	His	Ile	Ser	Ala	Gly	Ala	Ile	Asp	Leu	Ile	Asn	Asn	Leu
				620					625					630
Leu	Gln	Val	Lys	Met	Arg	Lys	Arg	Tyr	Ser	Val	Asp	Lys	Ser	Leu
				635					640					645
Ser	His	Pro	Trp	Leu	Gln	Glu	Tyr	Gln	Thr	Trp	Leu	Asp	Leu	Arg
				650					655					660
Glu	Leu	Glu	Gly	Lys	Met	Gly	Glu	Arg	Tyr	Ile	Thr	His	Glu	Ser
				665					670					675
Asp	Asp	Ala	Arg	Trp	Glu	Gln	Phe	Ala	Ala	Glu	His	Pro	Leu	Pro
				680					685					690
Gly	Ser	Gly	Leu	Pro	Thr	Asp	Arg	Asp	Leu	Gly	Gly	Ala	Cys	Pro
				695					700					705
Pro	Gln	Asp	His	Asp	Met	Gln	Gly	Leu	Ala	Glu	Arg	Ile	Ser	Val
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Leu														

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<213> Homo sapiens
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<212> PRT
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<223> Incyte ID No: 1519120CD1
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Met  Ala  Asp  Asp  Asp  Val  Leu  Phe  Glu  Asp  Val  Tyr  Glu  Leu  Cys
  1          5          10          15
Glu  Val  Ile  Gly  Lys  Gly  Pro  Phe  Ser  Val  Val  Arg  Arg  Cys  Ile
          20          25          30

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PCT/US00/07277

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Asn	Arg	Glu	Thr	Gly	Gln	Gln	Phe	Ala	Val	Lys	Ile	Val	Asp	Val	
				35					40					45	
Ala	Lys	Phe	Thr	Ser	Ser	Pro	Gly	Leu	Ser	Thr	Glu	Gly	Lys	Arg	
				50					55					60	
Trp	Ile	Ser	Asn	Leu	Lys	Arg	Glu	Ala	Ser	Ile	Cys	His	Met	Leu	
				65					70					75	
Lys	His	Pro	His	Ile	Val	Glu	Leu	Leu	Glu	Thr	Tyr	Ser	Ser	Asp	
				80					85					90	
Gly	Met	Leu	Tyr	Met	Val	Phe	Glu	Phe	Met	Asp	Gly	Ala	Asp	Leu	
				95					100					105	
Cys	Phe	Glu	Ile	Val	Lys	Arg	Ala	Asp	Ala	Gly	Phe	Val	Tyr	Ser	
				110					115					120	
Glu	Ala	Val	Ala	Ser	Ile	Leu	Asp	Lys	His	Ser	Trp	Lys	Gln	Leu	
				125					130					135	
Gly	Asp	His	Leu	Asn	Thr	Ala	Leu	Ser	Ser	Ala					
				140					145						

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<211> 524

<212> PRT

<213> Homo sapiens

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<223> Incyte ID No: 1673761CD1

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Met	Asn	Ile	Ala	Asn	Arg	Lys	Gln	Glu	Glu	Met	Lys	Asp	Met	Ile	
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Val	Glu	Thr	Leu	Asn	Thr	Met	Lys	Glu	Glu	Leu	Leu	Asp	Asp	Ala	
				20					25					30	
Thr	Asn	Met	Glu	Phe	Lys	Asp	Val	Ile	Val	Pro	Glu	Asn	Gly	Glu	
				35					40					45	
Pro	Val	Gly	Thr	Arg	Glu	Ile	Lys	Cys	Cys	Ile	Arg	Gln	Ile	Gln	
				50					55					60	
Glu	Leu	Ile	Ile	Ser	Arg	Leu	Asn	Gln	Ala	Val	Ala	Asn	Lys	Leu	
				65					70					75	
Ile	Ser	Ser	Val	Asp	Tyr	Leu	Arg	Glu	Ser	Phe	Val	Gly	Thr	Leu	
				80					85					90	
Glu	Arg	Cys	Leu	Gln	Ser	Leu	Glu	Lys	Ser	Gln	Asp	Val	Ser	Val	
				95					100					105	
His	Ile	Thr	Ser	Asn	Tyr	Leu	Lys	Gln	Ile	Leu	Asn	Ala	Ala	Tyr	
				110					115					120	
His	Val	Glu	Val	Thr	Phe	His	Ser	Gly	Ser	Ser	Val	Thr	Arg	Met	
				125					130					135	
Leu	Trp	Glu	Gln	Ile	Lys	Gln	Ile	Ile	Gln	Arg	Ile	Thr	Trp	Val	
				140					145					150	
Ser	Pro	Pro	Ala	Ile	Thr	Leu	Glu	Trp	Lys	Arg	Lys	Val	Ala	Gln	
				155					160					165	
Glu	Ala	Ile	Glu	Ser	Leu	Ser	Ala	Ser	Lys	Leu	Ala	Lys	Ser	Ile	
				170					175					180	
Cys	Ser	Gln	Phe	Arg	Thr	Arg	Leu	Asn	Ser	Ser	His	Glu	Ala	Phe	
				185					190					195	
Ala	Ala	Ser	Leu	Arg	Gln	Leu	Glu	Ala	Gly	His	Ser	Gly	Arg	Leu	
				200					205					210	
Glu	Lys	Thr	Glu	Asp	Leu	Trp	Leu	Arg	Val	Arg	Lys	Asp	His	Ala	
				215					220					225	
Pro	Arg	Leu	Ala	Arg	Leu	Ser	Leu	Glu	Ser	Cys	Ser	Leu	Gln	Asp	
				230					235					240	
Val	Leu	Leu	His	Arg	Lys	Pro	Lys	Leu	Gly	Gln	Glu	Leu	Gly	Arg	

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	245		250		255
Gly Gln Tyr Gly	Val Val Tyr Leu Cys	Asp Asn Trp Gly Gly	His		
	260		265		270
Phe Pro Cys Ala	Leu Lys Ser Val Val	Pro Pro Asp Glu Lys	His		
	275		280		285
Trp Asn Asp Leu	Ala Leu Glu Phe His	Tyr Met Arg Ser Leu	Pro		
	290		295		300
Lys His Glu Arg	Leu Val Asp Leu His	Gly Ser Val Ile Asp	Tyr		
	305		310		315
Asn Tyr Gly Gly	Gly Ser Ser Ile Ala	Val Leu Leu Ile Met	Glu		
	320		325		330
Arg Leu His Arg	Asp Leu Tyr Thr Gly	Leu Lys Ala Gly Leu	Thr		
	335		340		345
Leu Glu Thr Arg	Leu Gln Ile Ala Leu	Asp Val Val Glu Gly	Ile		
	350		355		360
Arg Phe Leu His	Ser Gln Gly Leu Val	His Arg Asp Ile Lys	Leu		
	365		370		375
Lys Asn Val Leu	Leu Asp Lys Gln Asn	Arg Ala Lys Ile Thr	Asp		
	380		385		390
Leu Gly Phe Cys	Lys Pro Glu Ala Met	Met Ser Gly Ser Ile	Val		
	395		400		405
Gly Thr Pro Ile	His Met Ala Pro Glu	Leu Phe Thr Gly Lys	Tyr		
	410		415		420
Asp Asn Ser Val	Asp Val Tyr Ala Phe	Gly Ile Leu Phe Trp	Tyr		
	425		430		435
Ile Cys Ser Gly	Ser Val Lys Leu Pro	Glu Ala Phe Glu Arg	Cys		
	440		445		450
Ala Ser Lys Asp	His Leu Trp Asn Asn	Val Arg Arg Gly Ala	Arg		
	455		460		465
Pro Glu Arg Leu	Pro Val Phe Asp Glu	Glu Cys Trp Gln Leu	Met		
	470		475		480
Glu Ala Cys Trp	Asp Gly Asp Pro Leu	Lys Arg Pro Leu Leu	Gly		
	485		490		495
Ile Val Gln Pro	Met Leu Gln Gly Ile	Met Asn Arg Leu Cys	Lys		
	500		505		510
Ser Asn Ser Glu	Gln Pro Asn Arg Gly	Leu Asp Asp Ser Thr			
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<223> Incyte ID No: 1270442CD1

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Gln Glu Leu Ala	Ser Leu Ala Arg Gly	Cys Asp Phe Val	Leu Pro
	20	25	30
Ser Arg Phe Lys	Lys Arg Leu Lys Ala	Phe Gln Gln Val	Gln Thr
	35	40	45
Arg Lys Glu Glu	Pro Leu Pro Pro Ala	Thr Ser Gln Ser	Ile Pro
	50	55	60
Thr Phe Tyr Phe	Pro Arg Gly Arg Pro	Gln Asp Ser Val	Asn Val
	65	70	75
Asp Ala Val Ile	Ser Lys Ile Glu Ser	Thr Phe Ala Arg	Phe Pro
	80	85	90

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His	Glu	Arg	Ala	Thr	Met	Asp	Asp	Met	Gly	Leu	Val	Ala	Lys	Ala	
				95					100						105
Cys	Gly	Cys	Pro	Leu	Tyr	Trp	Lys	Gly	Pro	Leu	Phe	Tyr	Gly	Ala	
				110					115						120
Gly	Gly	Glu	Arg	Thr	Gly	Ser	Val	Ser	Val	His	Lys	Phe	Val	Ala	
				125					130						135
Met	Trp	Arg	Lys	Ile	Leu	Gln	Asn	Cys	His	Asp	Asp	Ala	Ala	Lys	
				140					145						150
Phe	Val	His	Leu	Leu	Met	Ser	Pro	Gly	Cys	Asn	Tyr	Leu	Val	Gln	
				155					160						165
Glu	Asp	Phe	Val	Pro	Phe	Leu	Gln	Asp	Val	Val	Asn	Thr	His	Pro	
				170					175						180
Gly	Leu	Ser	Phe	Leu	Lys	Glu	Ala	Ser	Glu	Phe	His	Ser	Arg	Tyr	
				185					190						195
Ile	Thr	Thr	Val	Ile	Gln	Arg	Ile	Phe	Tyr	Ala	Val	Asn	Arg	Ser	
				200					205						210
Trp	Ser	Gly	Arg	Ile	Thr	Cys	Ala	Glu	Leu	Arg	Arg	Ser	Ser	Phe	
				215					220						225
Leu	Gln	Asn	Val	Ala	Leu	Leu	Glu	Glu	Glu	Ala	Asp	Ile	Asn	Gln	
				230					235						240
Leu	Thr	Glu	Phe	Phe	Ser	Tyr	Glu	His	Phe	Tyr	Val	Ile	Tyr	Cys	
				245					250						255
Lys	Phe	Trp	Glu	Leu	Asp	Thr	Asp	His	Asp	Leu	Leu	Ile	Asp	Ala	
				260					265						270
Asp	Asp	Leu	Ala	Arg	His	Asn	Asp	His	Ala	Leu	Ser	Thr	Lys	Met	
				275					280						285
Ile	Asp	Arg	Ile	Phe	Ser	Gly	Ala	Val	Thr	Arg	Gly	Arg	Lys	Val	
				290					295						300
Gln	Lys	Glu	Gly	Lys	Ile	Ser	Tyr	Ala	Asp	Phe	Val	Trp	Phe	Leu	
				305					310						315
Ile	Ser	Glu	Glu	Asp	Lys	Lys	Thr	Pro	Thr	Ser	Ile	Glu	Tyr	Trp	
				320					325						330
Phe	Arg	Cys	Met	Asp	Leu	Asp	Gly	Asp	Gly	Ala	Leu	Ser	Met	Phe	
				335					340						345
Glu	Leu	Glu	Tyr	Phe	Tyr	Glu	Glu	Gln	Cys	Arg	Ser	Val	Asp	Ser	
				350					355						360
Met	Ala	Ile	Glu	Ala	Leu	Pro	Phe	Gln	Asp	Cys	Leu	Cys	Gln	Met	
				365					370						375
Leu	Asp	Leu	Val	Lys	Pro	Arg	Thr	Glu	Gly	Lys	Ile	Thr	Leu	Gln	
				380					385						390
Asp	Leu	Lys	Arg	Cys	Lys	Leu	Ala	Asn	Val	Phe	Phe	Asp	Thr	Phe	
				395					400						405
Phe	Asn	Ile	Glu	Lys	Tyr	Leu	Asp	His	Glu	Gln	Lys	Glu	Gln	Ile	
				410					415						420
Ser	Leu	Leu	Arg	Asp	Gly	Asp	Ser	Gly	Gly	Pro	Glu	Leu	Ser	Asp	
				425					430						435
Trp	Glu	Lys	Tyr	Ala	Ala	Glu	Glu	Tyr	Asp	Ile	Leu	Val	Ala	Glu	
				440					445						450
Glu	Thr	Ala	Gly	Glu	Pro	Trp	Glu	Asp	Gly	Phe	Glu	Ala	Glu	Leu	
				455					460						465
Ser	Pro	Val	Glu	Gln	Lys	Leu	Ser	Ala	Leu	Arg	Ser	Pro	Leu	Ala	
				470					475						480
Gln	Arg	Pro	Phe	Phe	Glu	Ala	Pro	Ser	Pro	Leu	Gly	Ala	Val	Asp	
				485					490						495
Leu	Tyr	Glu	Tyr	Ala	Cys	Gly	Asp	Glu	Asp	Leu	Glu	Pro	Leu		
				500					505						

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<213> Homo sapiens

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<223> Incyte ID No: 1877133CD1

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Met	Ile	Ser	Thr	Ala	Arg	Val	Pro	Ala	Asp	Lys	Pro	Val	Arg	Ile
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Ala	Phe	Ser	Leu	Asn	Asp	Ala	Ser	Asp	Asp	Thr	Pro	Pro	Glu	Asp
				20					25					30
Ser	Ile	Pro	Leu	Val	Phe	Pro	Glu	Leu	Asp	Gln	Gln	Leu	Gln	Pro
				35					40					45
Leu	Pro	Pro	Cys	His	Asp	Ser	Glu	Glu	Ser	Met	Glu	Val	Phe	Lys
				50					55					60
Gln	His	Cys	Gln	Ile	Ala	Glu	Glu	Tyr	His	Glu	Val	Lys	Lys	Glu
				65					70					75
Ile	Thr	Leu	Leu	Glu	Gln	Arg	Lys	Lys	Glu	Leu	Ile	Ala	Lys	Leu
				80					85					90
Asp	Gln	Ala	Glu	Lys	Glu	Lys	Val	Asp	Ala	Ala	Glu	Leu	Val	Arg
				95					100					105
Glu	Phe	Glu	Ala	Leu	Thr	Glu	Glu	Asn	Arg	Thr	Leu	Arg	Leu	Ala
				110					115					120
Gln	Ser	Gln	Cys	Val	Glu	Gln	Leu	Glu	Lys	Leu	Arg	Ile	Gln	Tyr
				125					130					135
Gln	Lys	Arg	Gln	Gly	Ser	Ser								
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<210> 13

<211> 221

<212> PRT

<213> Homo sapiens

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Ser	Ala	Lys	Arg	Leu	Ser	Pro	Lys	Met	Glu	Glu	Glu	Gly	Glu	Glu
				20					25					30
Glu	Asp	Tyr	Cys	Thr	Pro	Gly	Ala	Phe	Glu	Leu	Glu	Arg	Leu	Phe
				35					40					45
Trp	Lys	Gly	Ser	Pro	Gln	Tyr	Thr	His	Val	Asn	Glu	Val	Trp	Pro
				50					55					60
Lys	Leu	Tyr	Ile	Gly	Asp	Glu	Ala	Thr	Ala	Leu	Asp	Arg	Tyr	Arg
				65					70					75
Leu	Gln	Lys	Ala	Gly	Phe	Thr	His	Val	Leu	Asn	Ala	Ala	His	Gly
				80					85					90
Arg	Trp	Asn	Val	Asp	Thr	Gly	Pro	Arg	Leu	Leu	Pro	Arg	His	Gly
				95					100					105
His	Pro	Val	Pro	Arg	Arg	Gly	Gly	Pro	Thr	Thr	Cys	Pro	Pro	Phe
				110					115					120
Asp	Leu	Ser	Val	Phe	Phe	Tyr	Pro	Ala	Ala	Ala	Phe	Ile	Asp	Arg
				125					130					135
Ala	Leu	Ser	Asp	Asp	His	Ser	Lys	Ile	Leu	Val	His	Cys	Val	Met
				140					145					150
Gly	Arg	Ser	Arg	Ser	Ala	Thr	Leu	Val	Leu	Ala	Tyr	Leu	Met	Ile
				155					160					165

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His	Lys	Asp	Met	Thr	Leu	Val	Asp	Ala	Ile	Gln	Gln	Val	Ala	Lys
				170					175					180
Asn	Arg	Cys	Val	Leu	Pro	Asn	Arg	Gly	Phe	Leu	Lys	Gln	Leu	Arg
				185					190					195
Glu	Leu	Asp	Lys	Gln	Leu	Val	Gln	Gln	Arg	Arg	Arg	Ser	Gln	Arg
				200					205					210
Gln	Asp	Gly	Glu	Glu	Glu	Asp	Asp	Arg	Glu	Leu				
				215					220					

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<212> PRT

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Lys	Thr	Gly	Phe	Leu	His	Asn	Gly	Arg	Ala	Met	Gly	Asn	Met	Arg
				20					25					30
Lys	Thr	Tyr	Trp	Ser	Ser	Arg	Ser	Glu	Phe	Lys	Asn	Asn	Phe	Leu
				35					40					45
Asn	Ile	Asp	Pro	Ile	Thr	Met	Ala	Tyr	Ser	Leu	Asn	Ser	Ser	Ala
				50					55					60
Gln	Glu	Arg	Leu	Ile	Pro	Leu	Gly	His	Ala	Ser	Lys	Ser	Ala	Pro
				65					70					75
Met	Asn	Gly	His	Cys	Phe	Ala	Glu	Asn	Gly	Pro	Ser	Gln	Lys	Ser
				80					85					90
Ser	Leu	Pro	Pro	Leu	Leu	Ile	Pro	Pro	Ser	Glu	Asn	Leu	Gly	Pro
				95					100					105
His	Glu	Glu	Asp	Gln	Val	Val	Cys	Gly	Phe	Lys	Lys	Leu	Thr	Val
				110					115					120
Asn	Gly	Val	Cys	Ala	Ser	Thr	Pro	Pro	Leu	Thr	Pro	Ile	Lys	Asn
				125					130					135
Ser	Pro	Ser	Leu	Phe	Pro	Cys	Ala	Pro	Leu	Cys	Glu	Arg	Gly	Ser
				140					145					150
Arg	Pro	Leu	Pro	Pro	Leu	Pro	Ile	Ser	Glu	Ala	Leu	Ser	Leu	Asp
				155					160					165
Asp	Thr	Asp	Cys	Glu	Val	Glu	Phe	Leu	Thr	Ser	Ser	Asp	Thr	Asp
				170					175					180
Phe	Leu	Leu	Glu	Asp	Ser	Thr	Leu	Ser	Asp	Phe	Lys	Tyr	Asp	Val
				185					190					195
Pro	Gly	Arg	Arg	Ser	Phe	Arg	Gly	Cys	Gly	Gln	Ile	Asn	Tyr	Ala
				200					205					210
Tyr	Phe	Asp	Thr	Pro	Ala	Val	Ser	Ala	Ala	Asp	Leu	Ser	Tyr	Val
				215					220					225
Ser	Asp	Gln	Asn	Gly	Gly	Val	Pro	Asp	Pro	Asn	Pro	Pro	Pro	Pro
				230					235					240
Gln	Thr	His	Arg	Arg	Leu	Arg	Arg	Ser	His	Ser	Gly	Pro	Ala	Gly
				245					250					255
Ser	Phe	Asn	Lys	Pro	Ala	Ile	Arg	Ile	Ser	Asn	Cys	Cys	Ile	His
				260					265					270
Arg	Ala	Ser	Pro	Asn	Ser	Asp	Glu	Asp	Lys	Pro	Glu	Val	Pro	Pro
				275					280					285
Arg	Val	Pro	Ile	Pro	Pro	Arg	Pro	Val	Lys	Pro	Asp	Tyr	Arg	Arg
				290					295					300
Trp	Ser	Ala	Glu	Val	Thr	Ser	Ser	Thr	Tyr	Ser	Asp	Glu	Asp	Arg

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Pro	Pro	Lys	Val	305	Pro	Pro	Arg	Glu	Pro	310	Leu	Ser	Pro	Ser	Asn	Ser	315
Arg	Thr	Pro	Ser	320	Pro	Lys	Ser	Leu	Pro	325	Ser	Tyr	Leu	Asn	Gly	Val	330
Met	Pro	Pro	Thr	335	Gln	Ser	Phe	Ala	Pro	340	Asp	Pro	Lys	Tyr	Val	Ser	345
Ser	Lys	Ala	Leu	350	Gln	Arg	Gln	Asn	Ser	355	Glu	Gly	Ser	Ala	Ser	Lys	360
Val	Pro	Cys	Ile	365	Leu	Pro	Ile	Ile	Glu	370	Asn	Gly	Lys	Lys	Val	Ser	375
Ser	Thr	His	Tyr	380	Tyr	Leu	Leu	Pro	Glu	385	Arg	Pro	Pro	Tyr	Leu	Asp	390
Lys	Tyr	Glu	Lys	395	Phe	Phe	Arg	Glu	Ala	400	Glu	Glu	Thr	Asn	Gly	Gly	405
Ala	Gln	Ile	Gln	410	Pro	Leu	Pro	Ala	Asp	415	Cys	Gly	Ile	Ser	Ser	Ala	420
Thr	Glu	Lys	Pro	425	Asp	Ser	Lys	Thr	Lys	430	Met	Asp	Leu	Gly	Gly	His	435
Val	Lys	Arg	Lys	440	His	Leu	Ser	Tyr	Val	445	Val	Ser	Pro				450
				455						460							

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<212> DNA

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<220>

<221> misc_feature

<223> Incyte ID No: 480457CB1

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<210> 16

<211> 1338

<212> DNA

<213> Homo sapiens

<220>

<221> unsure

<222> 959, 1029, 1159

<223> a or g or c or t, unknown, or other

<220>

<221> misc_feature

<223> Incyte ID No: 563663CB1

<400> 16

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<210> 17

<211> 1706

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1425842CB1

<400> 17

PF-0683 PCT

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<211> 2140

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2349047CB1

<400> 18

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<210> 19
<211> 1573
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2415617CB1

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<210> 20
<211> 862
<212> DNA
<213> Homo sapiens

PF-0683 PCT

<220>

<221> misc_feature

<223> Incyte ID No: 3815186CB1

<400> 20

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<210> 21

<211> 2744

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 5504544CB1

<400> 21

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<211> 1266

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1511326CB1

<400> 22

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<210> 23

<211> 594

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1519120CB1

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<400> 23

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<210> 24

<211> 2280

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1673761CB1

<400> 24

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<210> 25
<211> 1679
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1270442CB1

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<210> 26
<211> 1053
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1877133CB1

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1053

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<210> 27
<211> 1212
<212> DNA
<213> Homo sapiens

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<220>
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<210> 28
<211> 3093
<212> DNA
<213> Homo sapiens

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<220>
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<223> Incyte ID No: 2716815CB1

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